

In the Specification:

On page 1, line 3 please add the following paragraph:

AI
-This application is a continuing application of United States Serial No. 09/428,155, filed October 27, 1999.

In the Claims:

Please cancel claims 1-6.

Please add the following new claims:

7. (new) A substrate comprising an array of electrodes each comprising a colloid particle comprising:

- a) a covalently attached self-assembled monolayer (SAM);
- b) at least one electron transfer moiety (ETM); and,
- c) at least one covalently attached nucleic acid.

8. (new) A substrate comprising an array of electrodes each comprising a colloid particle comprising:

- a) a SAM;
- b) a capture probe;
- c) an amplification sequence; and
- d) a label probe hybridized to said amplification sequence, wherein said label probe comprises at least one covalently attached ETM.

9. (new) A substrate comprising an array of electrodes each comprising a colloid particle comprising:

- a) a SAM;
- b) a first nucleic acid;
- c) a second nucleic acid; and,